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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

HO, BINH VAN

ART UNIT PAPER NUMBER

2163

DATE MAILED: 11/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/698,413

Applicant(s)

TRAN, ANH Q.

Examiner

Binh V. Ho

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 September 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/03/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. As of entry of the amendment filed on 9/20/2006, claims 1-23 are pending in this application. Upon reconsideration, the rejection of claims 1-23 by Dugan et al. mailed on 06/07/2006 is hereby withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Dugan et al, Eastep et al and Bodin et al.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2,4,13,19-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Number 6,804,711 issued to Dugan et al. (hereinafter "Dugan") in view U.S. Patent Number 6,731,625 issued to Eastep et al. (hereinafter "Eastep") and further in view of U.S. Publication Application Number 2005/0021484 issued to Bodin et al. (hereinafter "Bodin").

4. (Claims 1, 13, 19, 21 and 23)

Dugan discloses a method for adapting memory-resident database in a flexible service logic execution environment (FSLEE) (col. 21, lines 40-48, 54 +), comprising the steps of:

constructing a service table in an FSLEE application that executes a logic service, wherein the service table contains data that can be used in the logic service and wherein the FSLEE application comprises (Dugan: column 19, lines 3-7 and column 19, lines 57-

64; Note specifically that a service profile is created in an application supporting SLEE (FSLEE). Further note that the profile is a table. So clearly a service table is constructed in an FSLEE environment when the service profile is generated (constructed.):

an application framework capable of managing functionalities of the FSLEE application (Dugan: column 11, lines 4-9 and column 13, line 32; Note that there is a 'framework' which supports activities in an SLEE system (FSLEE).);

a service independent building block (SIB) library that contains a set of SIBs (Dugan: column 3, lines 6-14; The table of Service Independent Building Blocks is the SIB library.); and

providing a memory based database environment (MBE) (Dugan: column 21, lines 54-67; See specifically column 21, lines 64-66.) indicator to the service table, wherein the MBE indicator is a field in a record entry that differentiates an MBE service table from another service table (Dugan: column 21, lines 24-32; Note specifically an indicator for each SLEE.);

setting the MBE indicator of the service table the database configuration file (Dugan: column 21, lines 24-32; Note specifically that the indicator is set to either 'up' or 'down'.); and

providing the SIBs to access the MBE table constructed in the FSLEE application (Dugan: column 3, lines 6-14).

The Examiner is confident that the Dugan reference, at the very least implicitly discloses all the elements of the Applicant's claimed invention as presented in claim 1.

But, Dugan fails to explicitly disclose:

a FSLEE configuration that renders each FSLEE application unique;

wherein the application framework invokes a service image to execute the SIBs and perform logics of the logic service, and the service image is a visual representation of the logic service that defines the logics for the logic service.

However, Eastep discloses:

a FSLEE configuration that renders each FSLEE application unique (Eastep: column 28, lines 40-44 and column 38, lines 5-21).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Dugan with the teachings of Eastep noted above. The skilled artisan would have been motivated to improve the teachings of Dugan per the above such that the system can execute the logic contained in customer-specific profiles in order to provide unique customized service features (Eastep: column 28, lines 40-44).

Neither Dugan nor Eastep discloses:

wherein the application framework invokes a service image to execute the SIBs and perform logics of the logic service, and the service image is a visual representation of the logic service that defines the logics for the logic service ().

However, Bodin discloses:

wherein the application framework invokes a service image to execute the SIBs and perform logics of the logic service, and the service image is a visual representation of the logic service that defines the logics for the logic service (Bodin: paragraph [0066] and paragraph [0084] and Fig. 1).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the previously mentioned combination with teachings of Bodin noted above. The skilled artisan would have been motivated to improve the

previously mentioned combination per the above such that the framework provides a platform for running 'services' (Bodin: paragraph [0066]).

(Claims 2, 20)

Dugan discloses further comprising attaching a time stamp (col. 22, lines 21 +) to the MBE database records after each access.

(Claim 22)

Eastep discloses further comprising granting only a first request for locking a record when multiple lock requests are submitted (Paragraph [0692], [0723], [2760], [2761]).

(Claims 4, 21)

Dugan discloses returning a status indicator; and attaching a time stamp to the inserted record (col. 22, lines 25-29, 54-61).

5. Claims 3,5-12,14-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dugan (US 6,804,711), Eastep et al. (U.S. Patent Number 6,731,625), and Bodin et al (U.S. Publication Application Number 2005/0021484) in view of Miller (US 7,051,041).

(Claims 3,15)

Dugan, Eastep, and Bodin disclose substantially all of the elements, except inserting a record into the service table. Miller teaches inserting a record into the service table (figures 5 and 11). It would have been obvious to one having ordinary skill in the art at the time invention was made to inserting record in the table has a unique hash key. This database methodology has been used for simple table for many

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years, and is available on hundreds of different platforms as Miller teaches in col. 1, lines 7-25.

(Claims 5,16)

Miller teaches reading a record in the service table.

(Claims 6,8)

Miller teaches locking (figure 10) the record before the reading step; and returning a status indicator.

(Claims 7,17)

Miller teaches updating (figure 6) a record in the service table.

(Claims 9,10,18)

Miller teaches deleting (figure 7) a record in the service table.

(Claims 11,12)

Miller teaches unlocking (col. 6, lines 5-12, 33-38,58-63) a record in the service table.

(Claim 14)

Miller teaches an application framework (AF) that clears record locks in the FSLEE application (figure 10).

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

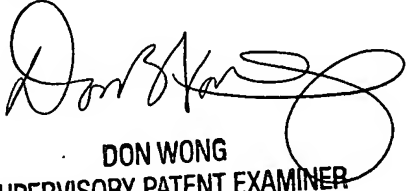
Inquiry

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh V. Ho whose telephone number is 571 272 8583. The examiner can normally be reached on M-F from 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K. Wong can be reached on 571 272 1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Binh V Ho
Examiner
Art Unit 2163


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